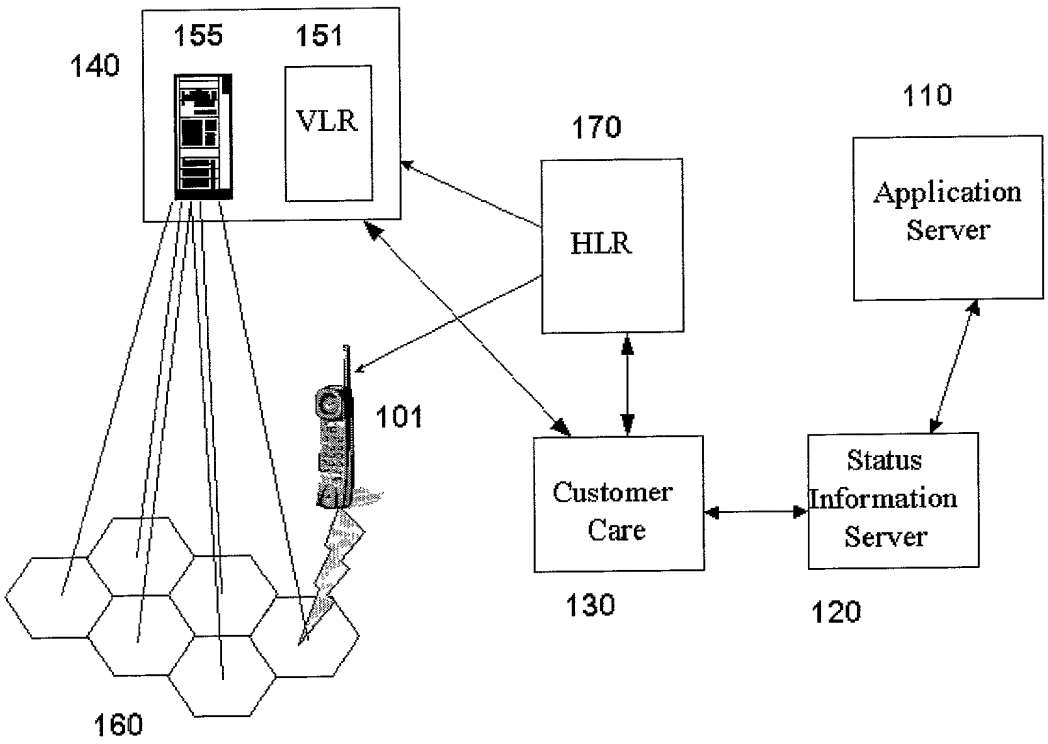
140
155
151
VLR
170
HLR
110
Application Server
101
Customer Care
Status Information Server
130
120
160

Figure 1

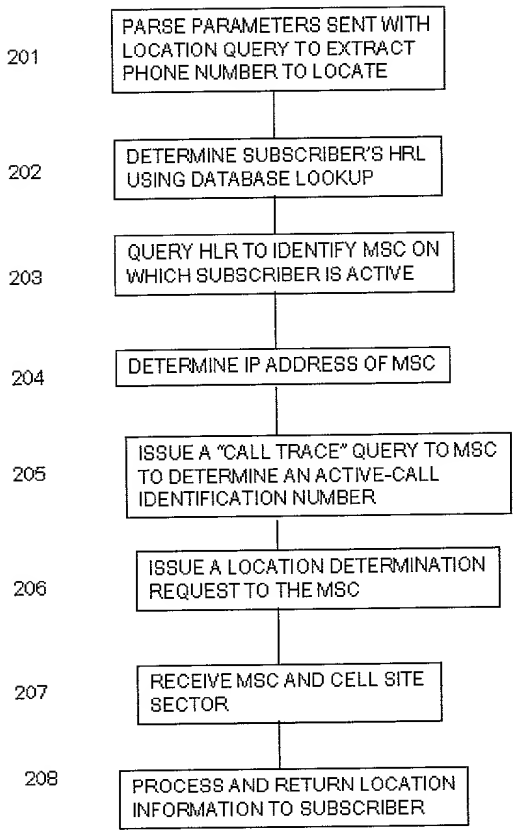
201
PARSE PARAMETERS SENT WITH LOCATION QUERY TO EXTRACT PHONE NUMBER TO LOCATE
202
DETERMINE SUBSCRIBER'S HRL USING DATABASE LOOKUP
203
QUERY HLR TO IDENTIFY MSC ON WHICH SUBSCRIBER IS ACTIVE
204
DETERMINE IP ADDRESS OF MSC
205
ISSUE A "CALL TRACE" QUERY TO MSC TO DETERMINE AN ACTIVE-CALL IDENTIFICATION NUMBER
206
ISSUE A LOCATION DETERMINATION REQUEST TO THE MSC
207
RECEIVE MSC AND CELL SITE SECTOR
208
PROCESS AND RETURN LOCATION INFORMATION TO SUBSCRIBER

Figure 2

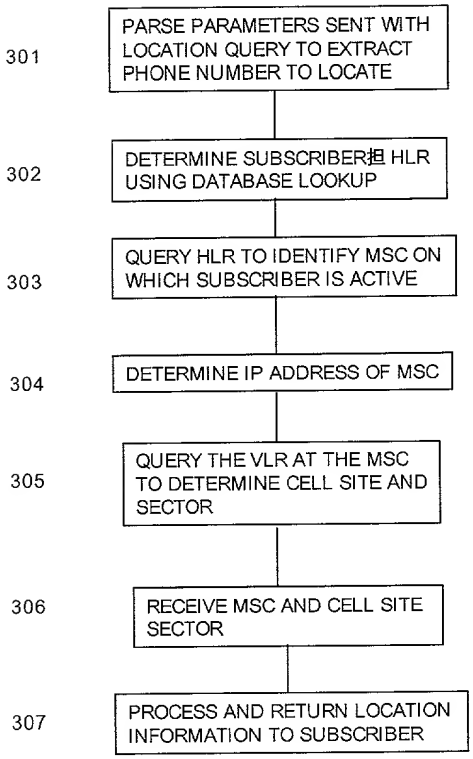
301
PARSE PARAMETERS SENT WITH LOCATION QUERY TO EXTRACT PHONE NUMBER TO LOCATE
302
DETERMINE SUBSCRIBER'S HLR USING DATABASE LOOKUP
303
QUERY HLR TO IDENTIFY MSC ON WHICH SUBSCRIBER IS ACTIVE
304
DETERMINE IP ADDRESS OF MSC
305
QUERY THE VLR AT THE MSC TO DETERMINE CELL SITE AND SECTOR
306
RECEIVE MSC AND CELL SITE SECTOR
307
PROCESS AND RETURN LOCATION INFORMATION TO SUBSCRIBER

Figure 3

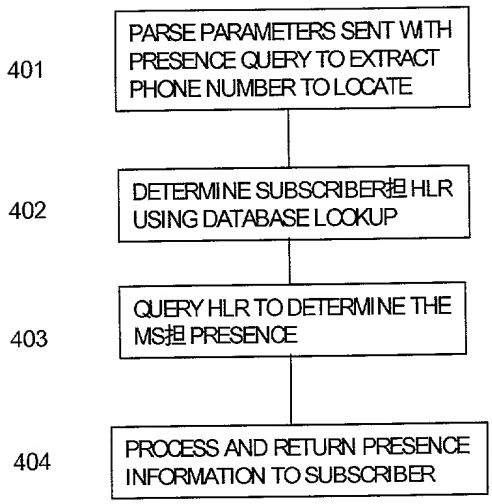
401
PARSE PARAMETERS SENT WITH PRESENCE QUERY TO EXTRACT PHONE NUMBER TO LOCATE
402
DETERMINE SUBSCRIBER担 HLR USING DATABASE LOOKUP
403
QUERY HLR TO DETERMINE THE MS担 PRESENCE
404
PROCESS AND RETURN PRESENCE INFORMATION TO SUBSCRIBER

Figure 4

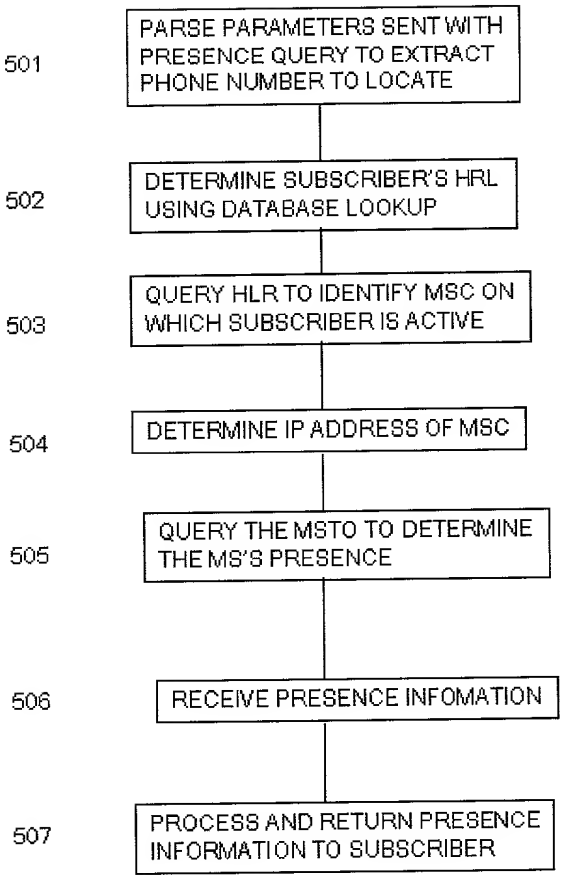
501
PARSE PARAMETERS SENT WITH PRESENCE QUERY TO EXTRACT PHONE NUMBER TO LOCATE
502
DETERMINE SUBSCRIBER'S HRL USING DATABASE LOOKUP
503
QUERY HLR TO IDENTIFY MSC ON WHICH SUBSCRIBER IS ACTIVE
504
DETERMINE IP ADDRESS OF MSC
505
QUERY THE MSTO TO DETERMINE THE MS'S PRESENCE
506
RECEIVE PRESENCE INFOMATION
507
PROCESS AND RETURN PRESENCE INFORMATION TO SUBSCRIBER

Figure 5

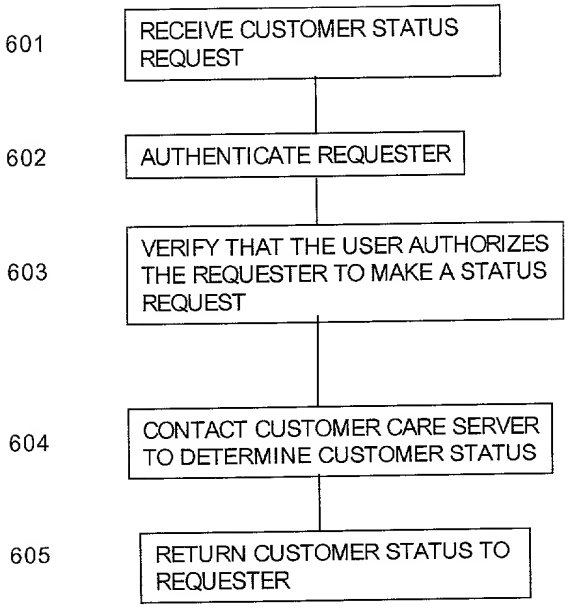
601
RECEIVE CUSTOMER STATUS REQUEST
602
AUTHENTICATE REQUESTER
603
VERIFY THAT THE USER AUTHORIZES THE REQUESTER TO MAKE A STATUS REQUEST
604
CONTACT CUSTOMER CARE SERVER TO DETERMINE CUSTOMER STATUS
605
RETURN CUSTOMER STATUS TO REQUESTER

Figure 6